SEQUENCE LISTING

<110> Waldman, Scott A.
Pitari, Giovanni Mario
Park, Jason
Schulz, Stephanie
Wolfe, Henry R.
Lubbe, Wilhelm

<120> The Use Of GCC Ligands

<130> 08321-0168 US1

<140> US 10/775,481
<141> 2004-02-10

<150> US 60/446,730
<151> 2003-02-10

<160> 56

<170> FastSEQ for Windows Version 4.0

<210> 1
<211> 57
<212> DNA
<213> Artificial Sequence

<220>
<223> ST Ia

<221> CDS
<222> (1)...(57)

<400> 1
aac aac aca ttt tac tgc tgt gaa ctt tgt tgt aat cct gcc tgt gct 48
Asn Asn Thr Phe Tyr Cys Cys Glu Leu Cys Cys Asn Pro Ala Cys Ala
1 5 10 15

gga tgt tat 57
Gly Cys Tyr

<210> 2
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> ST Ia

<400> 2
Asn Asn Thr Phe Tyr Cys Cys Glu Leu Cys Cys Asn Pro Ala Cys Ala
1 5 10 15
Gly Cys Tyr

<210> 3
<211> 18

<212> PRT
<213> Artificial Sequence

<220>
<223> ST I*

<400> 3
Asn Thr Phe Tyr Cys Cys Glu Leu Cys Cys Tyr Pro Ala Cys Ala Gly
 1   5   10   15
Cys Asn

<210> 4
<211> 57
<212> DNA
<213> Artificial Sequence

<220>
<223> ST Ib

<221> CDS
<222> (1)...(57)

<400> 4
aat agt agc aat tac tgc tgt gaa ttg tgt tgt aat cct gct tgt aac 48
Asn Ser Ser Asn Tyr Cys Cys Glu Leu Cys Cys Asn Pro Ala Cys Asn
 1   5   10   15

ggg tgc tat   57
Gly Cys Tyr

<210> 5
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> ST Ib

<400> 5
Asn Ser Ser Asn Tyr Cys Cys Glu Leu Cys Cys Asn Pro Ala Cys Asn
 1   5   10   15
Gly Cys Tyr

<210> 6
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> guanylin

<400> 6
Pro Asn Thr Cys Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys
 1   5   10   15

<210> 7

<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> fragment

<400> 7
Asn Asn Thr Phe Tyr Cys Cys Glu Leu Cys Cys Asn Pro Ala Cys Ala
1 5 10 15
Gly Cys

<210> 8
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> fragment

<400> 8
Asn Thr Phe Tyr Cys Cys Glu Leu Cys Cys Asn Pro Ala Cys Ala Gly
1 5 10 15
Cys

<210> 9
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> fragment

<400> 9
Thr Phe Tyr Cys Cys Glu Leu Cys Cys Asn Pro Ala Cys Ala Gly Cys
1 5 10 15

<210> 10
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> fragment

<400> 10
Phe Tyr Cys Cys Glu Leu Cys Cys Asn Pro Ala Cys Ala Gly Cys
1 5 10 15

<210> 11
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> fragment

<400> 11
Tyr Cys Cys Glu Leu Cys Cys Asn Pro Ala Cys Ala Gly Cys
1 5 10

<210> 12
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> fragment

<400> 12
Cys Cys Glu Leu Cys Cys Asn Pro Ala Cys Ala Gly Cys
1 5 10

<210> 13
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> fragment

<400> 13
Asn Thr Phe Tyr Cys Cys Glu Leu Cys Cys Asn Pro Ala Cys Ala Gly
1 5 10 15
Cys Tyr

<210> 14
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> fragment

<400> 14
Thr Phe Tyr Cys Cys Glu Leu Cys Cys Asn Pro Ala Cys Ala Gly Cys
1 5 10 15
Tyr

<210> 15
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> fragment

<400> 15
Phe Tyr Cys Cys Glu Leu Cys Cys Asn Pro Ala Cys Ala Gly Cys Tyr
1 5 10 15

<210> 16
<211> 15

<212> PRT
<213> Artificial Sequence

<220>
<223> fragment

<400> 16
Tyr Cys Cys Glu Leu Cys Cys Asn Pro Ala Cys Ala Gly Cys Tyr
 1   5   10   15

<210> 17
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> fragment

<400> 17
Cys Cys Glu Leu Cys Cys Asn Pro Ala Cys Ala Gly Cys Tyr
 1   5   10

<210> 18
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> fragment

<400> 18
Asn Thr Phe Tyr Cys Cys Gly Leu Cys Cys Tyr Pro Ala Cys Ala Gly
 1   5   10   15
Cys

<210> 19
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> fragment

<400> 19
Thr Phe Tyr Cys Cys Glu Leu Cys Cys Tyr Pro Ala Cys Ala Gly Cys
 1   5   10   15

<210> 20
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> fragment

<400> 20
Phe Tyr Cys Cys Glu Leu Cys Cys Tyr Pro Ala Cys Ala Gly Cys
 1   5   10   15

<210> 21
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> fragment

<400> 21
Tyr Cys Cys Glu Leu Cys Cys Tyr Pro Ala Cys Ala Gly Cys
1 5 10

<210> 22
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> fragment

<400> 22
Cys Cys Glu Leu Cys Cys Tyr Pro Ala Cys Ala Gly Cys
1 5 10

<210> 23
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> fragment

<400> 23
Thr Phe Tyr Cys Cys Glu Leu Cys Cys Tyr Pro Ala Cys Ala Gly Cys
1 5 10 15
Asn

<210> 24
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> fragment

<400> 24
Phe Tyr Cys Cys Glu Leu Cys Cys Tyr Pro Ala Cys Ala Gly Cys Asn
1 5 10 15

<210> 25
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> fragment

<400> 25
Tyr Cys Cys Glu Leu Cys Cys Tyr Pro Ala Cys Ala Gly Cys Asn
1 5 10 15

<210> 26
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> fragment

<400> 26
Cys Cys Glu Leu Cys Cys Tyr Pro Ala Cys Ala Gly Cys Asn
1 5 10

<210> 27
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> fragment

<400> 27
Asn Ser Ser Asn Tyr Cys Cys Glu Leu Cys Cys Asn Pro Ala Cys Thr
1 5 10 15
Gly Cys

<210> 28
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> fragment

<400> 28
Ser Ser Asn Tyr Cys Cys Glu Leu Cys Cys Asn Pro Ala Cys Thr Gly
1 5 10 15
Cys

<210> 29
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> fragment

<400> 29
Ser Asn Tyr Cys Cys Glu Leu Cys Cys Asn Pro Ala Cys Thr Gly Cys
1 5 10 15

<210> 30

<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> fragment

<400> 30
Asn Tyr Cys Cys Glu Leu Cys Cys Asn Pro Ala Cys Thr Gly Cys
1 5 10 15

<210> 31
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> fragment

<400> 31
Tyr Cys Cys Glu Leu Cys Cys Asn Pro Ala Cys Thr Gly Cys
1 5 10

<210> 32
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> fragment

<400> 32
Cys Cys Glu Leu Cys Cys Asn Pro Ala Cys Thr Gly Cys
1 5 10

<210> 33
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> fragment

<400> 33
Ser Ser Asn Tyr Cys Cys Glu Leu Cys Cys Asn Pro Ala Cys Thr Gly
1 5 10 15
Cys Tyr

<210> 34
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> fragment

<400> 34
Ser Asn Tyr Cys Cys Glu Leu Cys Cys Asn Pro Ala Cys Thr Gly Cys

1 5 10 15
Tyr

<210> 35
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> fragment

<400> 35
Asn Tyr Cys Cys Glu Leu Cys Cys Asn Pro Ala Cys Thr Gly Cys Tyr
1 5 10 15

<210> 36
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> fragment

<400> 36
Tyr Cys Cys Glu Leu Cys Cys Asn Pro Ala Cys Thr Gly Cys Tyr
1 5 10 15

<210> 37
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> fragment

<400> 37
Cys Cys Glu Leu Cys Cys Asn Pro Ala Cys Thr Gly Cys Tyr
1 5 10

<210> 38
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> derivative

<400> 38
Asn Thr Phe Tyr Cys Cys Glu Leu Cys Cys Asn Pro Ala Cys Ala Gly
1 5 10 15
Cys Tyr

<210> 39
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> derivative

<400> 39
Asn Thr Phe Tyr Cys Cys Glu Leu Cys Cys Ala Pro Ala Cys Ala Gly
1 5 10 15
Cys Tyr

<210> 40
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> derivative

<400> 40
Asn Thr Phe Tyr Cys Cys Glu Leu Cys Cys Asn Ala Ala Cys Ala Gly
1 5 10 15
Cys Tyr

<210> 41
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> derivative

<400> 41
Asn Thr Phe Tyr Cys Cys Glu Leu Cys Cys Asn Pro Ala Cys Ala Gly
1 5 10 15
Cys

<210> 42
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> derivative

<400> 42
Tyr Cys Cys Glu Leu Cys Cys Asn Pro Ala Cys Ala Gly Cys Tyr
1 5 10 15

<210> 43
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> derivative

<400> 43

Tyr Cys Cys Glu Leu Cys Cys Asn Pro Ala Cys Ala Gly Cys
1 5 10

<210> 44
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> derivative

<400> 44
Cys Cys Glu Leu Cys Cys Asn Pro Ala Cys Ala Gly Cys Tyr
1 5 10

<210> 45
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> derivative

<400> 45
Cys Cys Glu Leu Cys Cys Asn Pro Ala Cys Ala Gly Cys
1 5 10

<210> 46
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> derivative

<400> 46
Gln Ala Cys Asp Pro Pro Ser Pro Pro Ala Glu Val Cys Cys Asp Val
1 5 10 15
Cys Cys Asn Pro Ala Cys Ala Gly Cys
20 25

<210> 47
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> derivative

<400> 47
Ile Asp Cys Cys Ile Cys Cys Asn Pro Ala Cys Phe Gly Cys Leu Asn
1 5 10 15

<210> 48
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> derivative

<400> 48
Ser Ser Asp Trp Asp Cys Cys Asp Val Cys Cys Asn Pro Ala Cys Ala
 1   5   10   15
Gly Cys

<210> 49
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> derivative

<400> 49
Asn Ser Ser Asn Tyr Cys Cys Glu Leu Cys Cys Tyr Pro Ala Cys Thr
 1   5   10   15
Gly Cys Tyr

<210> 50
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> derivative

<400> 50
Cys Cys Asp Val Cys Cys Asn Pro Ala Cys Thr Gly Cys
 1   5   10

<210> 51
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> derivative

<400> 51
Cys Cys Asp Val Cys Cys Tyr Pro Ala Cys Thr Gly Cys Tyr
 1   5   10

<210> 52
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> derivative

<400> 52
Cys Cys Asp Leu Cys Cys Asn Pro Ala Cys Ala Gly Cys Tyr
 1   5   10

<210> 53
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> derivative

<400> 53
Cys Cys Gln Leu Cys Cys Asn Pro Ala Cys Thr Gly Cys Tyr
1 5 10

<210> 54
<211> 15
<212> PRT
<213> Homo sapiens

<400> 54
Pro Gly Thr Cys Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys
1 5 10 15

<210> 55
<211> 106
<212> PRT
<213> Rattus norvegicus

<400> 55
Met Ser Gly Ser Gln Leu Trp Ala Ala Val Leu Leu Leu Leu Val Leu
1 5 10 15
Gln Ser Ala Gln Gly Val Tyr Ile Lys Tyr His Gly Phe Gln Val Gln
20 25 30
Leu Glu Ser Val Lys Lys Leu Asn Glu Leu Glu Glu Lys Gln Met Ser
35 40 45
Asp Pro Gln Gln Gln Lys Ser Gly Leu Leu Pro Asp Val Cys Tyr Asn
50 55 60
Pro Ala Leu Pro Leu Asp Leu Gln Pro Val Cys Ala Ser Gln Glu Ala
65 70 75 80
Ala Ser Thr Phe Lys Ala Leu Arg Thr Ile Ala Thr Asp Glu Cys Glu
85 90 95
Leu Cys Ile Asn Val Ala Cys Thr Gly Cys
100 105

<210> 56
<211> 112
<212> PRT
<213> Homo sapiens

<400> 56
Met Gly Cys Arg Ala Ala Ser Gly Leu Leu Pro Gly Val Ala Val Val
1 5 10 15
Leu Leu Leu Leu Leu Gln Ser Thr Gln Ser Val Tyr Ile Gln Tyr Gln
20 25 30
Gly Phe Arg Val Gln Leu Glu Ser Met Lys Lys Leu Ser Asp Leu Glu
35 40 45
Ala Gln Trp Ala Pro Ser Pro Arg Leu Gln Ala Gln Ser Leu Leu Pro
50 55 60
Ala Val Cys His His Pro Ala Leu Pro Gln Asp Leu Gln Pro Val Cys
65 70 75 80
Ala Ser Gln Glu Ala Ser Ser Ile Phe Lys Thr Leu Arg Thr Ile Ala

85 90 95

Asn Asp Asp Cys Glu Leu Cys Val Asn Val Ala Cys Thr Gly Cys Leu

100 105 110